

REMARKS:

Acceptance/formal entry therefor of this preliminarily submitted Amendment prior to the Examiner taking up the above-identified application for a first Official Action is respectfully requested.

By the Amendments presented hereinabove, originally submitted claims 1-17 are being preliminarily substituted with newly presented claims 18-36. The canceling of the originally presented claims 1-17 of the present application is being made without prejudice or disclaimer of the subject matter therein and, accordingly, applicants reserve the right to subsequently file a continuing application directed thereto. In the meantime, examination as well as favorable action therefor on the presently submitted substitute claims is respectfully requested.

The newly presented claims 18-36 are directed to a semiconductor integrated circuit device scheme for a receiving operation of a mobile radio communication apparatus. The invention sets forth a scheme containing first and second low noise amplifiers and first and second receiving mixers each being applied with regard to a different frequency band to thereby adapt the integrated circuit to different frequencies. In accordance with the present invention, also, the first and second low noise amplifiers and a corresponding input, output and ground pins associated with a packaged chip directed thereto are disposed in a manner which significantly reduces noise signals and reduces gain loss of the amplified signals. The claims also cover an arrangement directed to the receiving portion of a mobile terminal in which the components are monolithically integrated on one semiconductor chip (or packaged chip) and in which the semiconductor chip package contains a pin layout

scheme such as that shown in the examples of Figs. 1 and 3 of the drawings, although not limited thereto, which prevents degradation of the frequency characteristic of a low noise amplifier and a receiving mixer included such as for dual-band transmission/reception in wireless communication. According to a further aspect, the invention calls for a device scheme for receiving operation of a mobile radio communication apparatus including a packaged semiconductor chip, first and second R.F. input filters and a corresponding arrangement of pins at the same side of the chip (claims 24+).

In that regard, the component elements according to the present invention are strategically located in a manner such as that set forth in new claims 18+, 24+ and 31+. With regard to the referred to example embodiment in Fig. 1 of the drawings, bipolar transistors 121 and 123 relate to the first and second low noise amplifiers and mixers 119 and 118 relate to the first and second receiving mixers, respectively. Correspondingly, pins 105 and 109 relate to the first and second input pins while pins 103 and 106 relate to the first and second output pins, pin 129 relates to the referred to "another pin." With regard to the Fig. 3 example illustration, pins 308 ~ 310 and 311 ~ 314 relate to the first and second low noise amplifiers, which operate at different frequency bands. As can be seen from Figs. 1 and 3 of the drawings, the locations of the pins/pads and component elements are consistent with that set forth in the claims.

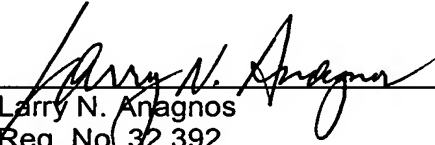
Formal consideration as well as favorable action therefor on the newly presented substitute claims 18-36 is respectfully requested.

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them to the Deposit Account of Antonelli, Terry, Stout & Kraus, LLP, Dep. Acct. No. 01-2135 (501.38451CC2), and please credit any excess fees to such deposit account.

Respectfully submitted,
ANTONELLI, TERRY, STOUT & KRAUS, LLP



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